

CDS /gene="SOCS-1"
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 /codon_start=1
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 /protein_id="AAH62400.1."
 /db_xref="GI:2245302"
 /translation="MARNVQADNAISPAEPRRSESSSSSPAPVPRPCP
 AVPARPGDHFRTSHDRRTTSALIDAGFYWQPLSVGAHEURASGVTF
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 RMLGAPIRRVRVPIQELQRQITAVGLENLARIPNIVRQLSSPFQI"
 BASE COUNT 183 a 413 c 334 g 255 t
 ORIGIN 183 a 413 c 334 g 255 t

alignment_scores:
 Quality: 1107.00 Length: 212
 Ratio: 5.222 Gaps: 0
 Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
 05-08-962-560A-4 x MMU88325 ..

Align seq 1/1 to: MMU88325 from: 1 to: 1185

1 MetValAlaArgAsnGlnValAlaLeuAspAsnAlaSerProAlaL 17
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 119 ArgGTAGCACCSCAACCAAGGGTGCAGCGCAGCATCCCGCAGC 168
 635 GCGCAGGCCGCCGCGCAGCCGCGCAGGAGCTGTGCGCATCG 684
 184 AlaAlaAlaValAlaArgGluAsnLeuAlaArgIleProLeuAsnProAl 200
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 685 TGGCGCCCTGGTGGCAGCGAGAACCTTGCCGCATCCCTTAACCGGTA 734
 201 LeuArgAspTyriLeuSerSerProProheGinile 212
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 735 CTGGCTGACTACCTGAGTCCTCCCTTCAGATC 770

seq_name: gb_ro:MMU88325

seq_documentation_block:

DEFINITION mmu88325 1185 bp mRNA ROD 06-JUL-1997
 DEFINITION Mus musculus suppressor of cytokine signalling-1 (SOCS-1) mRNA,
 complete cds.

ACCESSION U88325
 VERSION U88325.1 GI:2245381
 KEYWORDS SOURCE
 • house mouse.
 ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 1185)
 Starr, R., Wilson, T.A., Viney, E.M., Murray, I.J.L., Rayner, J.R.,
 Jenkins, B.J., Gonda, T.J., Alexander, W.S., Metcalf, D., Nicola, N.A.,
 and Hilton, D.J.
 A family of cytokine-inducible inhibitors of signalling
 TITLE
 JOURNAL Nature 387 (6636), 917-921 (1997)
 MEDLINE 97345633
 REFERENCE 2 (bases 1 to 1185)
 Starr, R., Wilson, T.A., Viney, E.M., Murray, I.J.L., Rayner, J.R.,
 Jenkins, B.J., Gonda, T.J., Alexander, W.S., Metcalf, D., Nicola, N.A.,
 and Hilton, D.J.
 Direct Submission
 Submitted (04-FEB-1997) Cancer Research Unit, The Walter and Eliza
 Hall Institute of Medical Research, PO Royal Melbourne Hospital,
 VIC 3050, Australia
 Location/Qualifiers
 FEATURES source
 1. .1185
 /organism="Mus musculus"
 /db_xref="taxon:10090"
 /chromosome="16"
 /tissue_type="thymus"
 gene
 119 .757

167 ArgGlnAlaArgAlaArgProLeuGluLeuAlaCysGlyLyPheTyrPGLP 84
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 151 LeuLeuGluAlaIleValAlaAlaProAlaArgGlnArgMetLeuAlaProle 167
 569 CTGGCTGACTACCTGAGTCCTCCCTTCAGATC 618
 167 ArgGlnAlaArgAlaArgProLeuGluLeuAlaCysGlyLyPheTyrPGLP 84
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 619 CGCCGAGCGGCCGCGCCGCGCAGCAGCTGTGCGCATCCAGGCC 668
 184 AlaAlaAlaValAlaArgGluAsnLeuAlaArgIleProLeuAsnProAl 200
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 669 TGGCGCCGAGGTCGCGAGAACCTGGCGCGCATCCCTTAACCGGTA 718

201 LeuArgAspTyrLeuSerSerPheProPheGlnIle 212
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 719 CTCCTGAGACTTACGGTCTCCCTCCAGATC 754

seq_name: gb_ro:AF120490

seq_documentation_block:
 Locus AF120490 1193 bp mRNA ROD 10-AUG-1999
 Definition Mus musculus suppressor of cytokine signalling-1 (Socs1) mRNA,
 complete cds.

ACCESSION AF120490
 VERSION AF120490.1 GI:4581880
 KEYWORDS house mouse.
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 1193)
 Authors De Sepulveda, P., Okkenhaug, K., La Rose, J., Hawley, R.G., Dubreuil, P.
 and Rottapel, R.

TITLE Socs1 binds to multiple signalling proteins and suppresses steel
 factor-dependent proliferation

JOURNAL EMBO J 18 (14), 904-915 (1999)
 MEDLINE 99146908
 REFERENCE 2 (bases 1 to 1193)
 AUTHORS De Sepulveda, P. and Rottapel, R.
 TITLE Direct Submission
 JOURNAL Submitted (15-JAN-1999) Experimental Therapeutics, Ontario Cancer
 Institute, 610 University Avenue, Toronto, ON M5G 2M9, Canada
 FEATURES Location/Qualifiers
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 130. .768
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 /translation "MVRNQVADNAISPAEERRRSEPPSSSSPAAPYPRPCP
 AVVAPAPGTHFELFRSHSDYRTRTSALDDCGFVNPLWGHARLRAAPVGTE
 LVUDSRORNCFFELFRSHSDYRTRTSALDDCGFVNPLWGHARLRAAPVGTE
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BASE COUNT 180 a 419 c 339 g 255 t
 ORIGIN

alignment_scores:
 Quality: 107.00 Length: 212
 Ratio: 5.222 Gaps: 0
 Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
 alignment_block: US-08-962-560A-4 x AF120490 ..

Align seg 1/1 to: AF120490 from: 1 to: 1193

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 177 ATGGTGCAAGCCAACTGGGCAACGGGACATGGATCAGCCGCAGC 179

17 ArgLysArgArgArgSerGluProSerSerSerSerSerSer 34
 180 AGAGGCCGAGGGCTAGGCCCTCTGTCCCTGCTCTGCTCGC 229

34 roAlaAlaProAlaArgProArgProCysProAlaAlaAlaProAla 50
 230 CAGGGCCCCGGTGGTCCCCGGCCCTGCCGGGAGCTCCAGCC 279

51 ProGlyAspThrHisPheArgThrHeArgSerHisSerAspTyrArg 67
 679 CTCCTGAGACTTACGGTCTCCCTCCAGATC 754

seq_name: gb_ro:AB000710

seq_documentation_block:
 Locus AB000710 909 bp mRNA ROD
 Definition Mus musculus mRNA for stat-induced stat inhibitor-1, complete cds.

ACCESSION AB000710
 VERSION AB000710.1 GI:2274773
 KEYWORDS stat-induced stat inhibitor-1; SSI-1.
 SOURCE Mus musculus to mRNA, clone_lib:thymus cDNA.
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;
 Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 Reference 1 (bases 1 to 909)
 Authors Kishimoto, T.
 Title Direct Submission
 Journal Submitted (25-JAN-1997) to the DDBJ/EMBL/GenBank databases.
 Tadamitsu Kishimoto, Osaka University, Medical School, Yamadaoka
 2-2, Suita 565, Japan (E-mail: matsunot@med3.med.osaka-u.ac.jp,
 Tel:+81-6-879-3331, Fax:+81-6-879-3339)
 2 (bases 1 to 909)
 Authors Naka, T., Narasaki, M., Hirata, M., Tomohige, M., Minamoto, S.,
 Nishimoto, N., Kajita, T., Yoshiaki, K., Akira, S. and Kishimoto, T.
 Title Structure and function of a novel STATs-induced inhibitor of STAT
 function-1(SIS-1)
 Journal Unpublished (1997)
 3 (sites)
 Authors Naka, T., Narasaki, M., Hirata, M., Tomohige, M., Minamoto, S.,
 Aono, A., Nishimoto, N., Kajita, T., Taga, T., Yoshiaki, K., Akira, S.,
 and Kishimoto, T.
 Title Structure and function of a new STAT-induced STAT inhibitor
 Journal Nature 387 (6635), 924-929 (1997)
 MEDLINE 97345635

FEATURES location/Qualifiers
source 1. .909

/organism="Mus musculus"
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RMIGABLRQRVVRPQLCQIRIVAVGRNLRIPNPVLDYLSFPQI"

BASE COUNT 121 a 338 c 274 g 176 t
ORIGIN

alignment_scores:
Quality: 1100.00 Length: 212
Ratio: 5.189 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 99.057

alignment_block:
US-08-962-560a-4 x AB000710 ..

Align seg 1/1 to: AB000710 from: 1 to: 909

1 MetValAlaLargAsnGlnValAlaAlaLaspAsnAlaIleSerProAlaAl 17
55 ATGGTAGCACGCCAACAGGTGGCGCCGACAATGGGARCTCCCCGGCAGC 104
17 agluProArgArgArgSerGluProSerSerSerSerSerSerSerSerP 34
105 AGACCCCGACGGCGTCAGGCCCTCCCTGCCTCGCTCGCTCGCTCGC 154
34 roAlaAlaProAlaLargProArgProCysProAlaProAlaProAla 50
155 CACGGCCCCGTCGGTCCCGGCTCTCCAGGCCAGCCAGCCAGCC 204
51 ProGlyAspThrHisPheArgArgPheAspAlaCysGlyPheTyTrpGlyP 84
255 CATACGGCGGACACTCACTCCGCACCTTCCCTCCACTCCGATTCGGCG 254
67 glutetharginThrSerAlaLeuLeuAspAlaCysGlyPheTyTrpGlyP 84
205 CCTGGGGACACTCACTCCGCACCTTCCCTCCACTCCGATTCGGCG 254
84 roleuSerValHisCysAlaIleGluArgLeuArgAlaGluProValGly 100
305 CCCAGAGCGTGACGGGCCACAGGCGCTGCGCCAGGCCCTGGCGC 354
101 ThrPheLeuAlaLargAspSerAlaGlnAlaGlnCysPheHealaLeuSe 117
355 ACCTCTTGTCGCGGCCAGCTGCGCCACCGAACGCTCTTCGCGTCAG 404
117 rValIysMetAlaSerGlyProThrSerIleArgValIlePheGlnAlaG 134
405 CGTGAGATGGCTCGGGGCCAACGAGATCCCGGTGACTTCAGGCCG 454
134 LysArgPheIleLeuAspGlySerArgGluThrPheAspCysLeuPheGlu 150
455 GCGCTTCCACTTGAGCGCAACCGCGAGCTTGACCTGGCTTTTCGAG 504
151 LeuLeuGluLHISTVaAlaAlaProArgArgMetLeuGlyAlaProLe 167
505 CTGGTAGGACACTAGTGCGGGCCCGGCCGAGTCGGGGCCCGT 554
167 uAsgGlnLargArgValArgProLeuGluLeuCysArgGlnArgIle 184

seq name: gb_r0:AB000677

seq_documentation-block:
LOCUS AB000677 1056 bp mRNA
DEFINITION Mus musculus mRNA for JAB, complete cds.
ACCESSION AB000677
VERSION AB000677.1 GI:2274771
KEYWORDS JAB.
ORGANISM Mus musculus cDNA to mRNA.

REFERENCE
AUTHORS Eukaryota; Metazoa; Chordata; Vertebrates; Mammalia; Eutheria;
1 (bases 1 to 1056)
Rodentia; Sciurognathi; Muridae; Murinae; Mus.
TITLE Direct Submission
JOURNAL Submitted (24-JAN-1997) to the DDBJ/EMBL/GenBank databases. Akihiko
Yoshimura, Kurume University, Institute of Life Science; 2432-3
Akava-machi, Kurume 839, Japan (Tel:0942-37-6313,
Fax:0942-21-5212)

REFERENCE
AUTHORS 2 (sites)
TITLE Cloning of a novel JAK kinase inhibitory SH2 protein
JOURNAL Unpublished (1997)
REFERENCE 3 (sites)
AUTHORS Endo,T.A., Masuhara,M., Yokouchi,M., Suzuki,R., Sakamoto,H.,
Mitsui,K., Matsumoto,A., Tanimura,S., Ohtsubo,M., Miawa,H.,
Miyazaki,T., Leonor,N., Taniguchi,T., Fujita,T., Kanakura,Y.,
Komika,S. and Yoshimura,A.
TITLE A new protein containing an SH2 domain that inhibits JAK kinases
JOURNAL Nature 387 (6636), 921-924 (1997)
MEDLINE 97345634

FEATURES location/Qualifiers
source 1. .1056

/organism="Mus musculus"
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RMIGABLRQRVVRPQLCQIRIVAVGRNLRIPNPVLDYLSFPQI"

BASE COUNT 159 a 354 c 299 g 244 t
ORIGIN

alignment_scores:
Quality: 1100.00 Length: 212
Ratio: 5.189 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 99.057

alignment_block:
US-08-962-560a-4 x AB000677 ..

Align seg 1/1 to: AB000677 from: 1 to: 1056

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1 ATGGTAGCACGCCAACGAGTCAGCCAGCTCAGGCCAGC 50
17 agluProArgArgArgSerGluProSerSerSerSerSerSerP 34

SOURCE	ORGANISM
Norway rat.	Rattus norvegicus
Bukayota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;	
Rodentia; Sciuromorphi; Muridae; Murinae; Rattus.	
REFERENCE	
AUTHORS	1 (bases 1 to 13187)
TITLE	Schlüter,G., Celik,A., Obata,R., Schlieker,M., Hofferbert,S., Schlung,A., Adam,T.M. and Engel,W.
REMARK	Sequence analysis of the conserved protamine gene cluster shows that it contains a fourth expressed gene
JOURNAL	Mol. Reprod. Dev. 43 (1), 1-6 (1996)
MEDLINE	96341725
REFERENCE	2 (bases 1 to 13187)
AUTHORS	Schlüter,G.
TITLE	Submitted (16-DEC-1994) Schlüter G., Institut fuer Humangenetik, Universitaet Goettingen, Gosslerstr. 12d, Goettingen, FGR, 37073
REMARK	Revised by [3]
JOURNAL	Direct Submission
MEDLINE	3 (bases 1 to 13187)
REFERENCE	Schlüter,G.
AUTHORS	Schlüter,G.
TITLE	Submitted (30-MAY-1996) Schlüter G., Institut fuer Humangenetik, Universitaet Goettingen, Gosslerstr. 12d, Goettingen, FGR, 37073
REMARK	(bases 1 to 13187)
JOURNAL	Universitaet Goettingen, Gosslerstr. 12d, Goettingen, FGR, 37073
MEDLINE	4 (bases 1 to 13187)
REFERENCE	Schlüter,G., Celik,A., Obata,R., Schlieker,M., Hofferbert,S., Schlung,A., Adam,T.M. and Engel,W.
AUTHORS	Sequence analysis of the conserved protamine gene cluster shows that it contains a fourth expressed gene
TITLE	Submitted (16-DEC-1994) Schlüter G., Institut fuer Humangenetik, Universitaet Goettingen, Gosslerstr. 12d, Goettingen, FGR, 37073
REMARK	Unpublished
JOURNAL	On Jun 5, 1996 this sequence version replaced gi:886853.
COMMENT	Location/Qualifiers
FEATURES	1. .13187
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CDS	/db_xref="taxon:10116"
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	/chromatin binding"
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	/protein_id="CA87061_1"
	/db_xref="GI:1359526"
	/db_xref="SWISS-PROT:PI0118"
	/translation="MARYRCRSRSRCCCCRRRRCCRRRRSY
	TRCRRY"
repeat_unit	1800..1880
	/note="ID element"
repeat_unit	/complement(2270..23330)
repeat_unit	/note="ID element"
gene	/note="B2_element"
CDS	/note="B2_element"
	5326..5760
	/gene="Prm2"
	/join(5326..5586,5695..5760)
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	/note="haploid expressed, male germcell specific,
	/chromatin binding"
	/codon_start=1
	/product="protamine 2"
	/protein_id="CA87062_1"
	/db_xref="GI:1359529"
	/db_xref="SWISS-PROT:PI1248"
	/translation="MVRNRSPEQDQHDEREQCGQGELSPEVEDYGRTE
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	CRWY"
seq_documentation_block:	6513..6827
LOCUS	BTPRMTNP2 13187 bp DNA ROD
DEFINITION	R.norvegicus PRM1, PRM2, PRM3 and TNP2 genes.
ACCESSION	246339
VERSION	246939.1 GI:1359527
KEYWORDS	PRM1 gene; PRM2 gene; PRM3 gene; protamine; TNP2 gene; transition protein 2.
seq_name:	gb_ro:BTPRMTNP2

/product="protamine 3"
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 /db_xref="SWISS-PROT:Q64256"
 /translation="MSRCATGIGPAONTGHGERHESMMKKLAVCSODNESSLSS
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 HS"
 8710 . 9244
 /gene="Tnp2"
 /join(8710, 9037, 9225, . 9244)
 /product="transition protein 2"
 /protein_id="CA887064_1"
 /db_xref="GI:1359531"
 /note="haploid expressed, male germcell specific,
 chromatin binding"
 /codon_start=1
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 /protein_id="CA887064_1"
 /db_xref="SPTRMBL:Q64390"
 /translation="MVKMOSLPTTPHHSRSHSSPQSHTNQQCACSHHCSCSQAGHP
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 ORIGIN
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 Quality: 1080.00 Length: 212
 Ratio: 5.143 Gaps: 0
 Percent Similarity: 99.057 Percent Identity: 96.698
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 17 AGUUPRARGAARGArgSerGluProSerSerSerSerSerSerSerP 34
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 12169 AGAGCCCGACGGGGCAGGCCATCTCGTCCTGCTCTGCCTCGC 12218
 34 roAlaAlaProValAlaProAlaProAlaProAlaProAla 50
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 12219 CGGGGGCCCGGGGCCCCGGCTCCGGGGCTGGCCGGCCGGCT 12268
 51 ProGlyAspThrHisPheArgThrPheArgSerHistSerAspIlyArgR 67
 12269 CCGGGCGACACTCACTTCGCACTTCGCTCCACTCTGATTAACCGCG 12318
 67 gileThArgThrSerAlaLeuLeuAspAlaCysGlyPheThrPGLP 84
 12319 CATCACCGGACCAAGCCTCTCTGGACGCCCTCTACTGGGCAC 12368
 84 roleuSerValHisGlyAlaHisGluArgLeuAlaGluProValGly 100
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 12369 CCCTAGGGTGATGGGGCACGAGCCTGGTCGAACCGGGGGC 12418
 101 ThrPheIeuValArgAspSerArgGlnIargArgCysPhePheAlaIle 117
 12419 ACCTTCCTGGTGCGGAGACTGCCAGGGAACTGTCTTGCGCTCAG 12468
 117 rValLysMetAlaSerGlyProThrSerIleArgValHisPheGlnAla 134
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 12469 CGTAGAGATGGCUTGGGCCACGAGCATTCGTGCACTTCAGGCCG 12518
 134 IyArgPheHistIeuAspGlySerArgGluIlePhelAspCysIlePheGlu 150
 12519 GCGGCTTCACCTGGAGGGCACCGCAGACCTTGACTGCCTCTGGAG 12568
 151 LeuIeuGluIlyItyrValAlaIlaProArgArgMetIeuGlyAlaProle 167
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 seq_name: gb_pr4:AF132440
 LOCUS AF132440 908 bp DNA PRI 28-OCT-1999
 DEFINITION Homo sapiens suppressor of cytokine signalling-1 SOCS-1 gene,
 complete cds.
 ACCESSION AF132440
 VERSION AF132440.1 GI:4680638
 KEYWORDS
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 908)
 AUTHORS Yandava,C.N., Pilliar,A. and Drazen,J.M.
 TITLE Radiation hybrid and cytogenetic mapping of SOCS1 and SOCS2 to chromosomes 10p13 and 12q, respectively
 JOURNAL Genomics 61 (1), 108-111 (1999)
 MEDLINE 9943878
 REFERENCES 2 (bases 1 to 908)
 AUTHORS Yandava,C.N., Pilliar,A. and Drazen,J.M.
 TITLE Direct Submission
 JOURNAL Submitted (01-MAR-1999) Pulmonary and Critical Care Medicine
 Brigham and Women's Hospital, 75 Francis Street, Boston, MA 02115,
 USA
 FEATURES
 source 1. . 908
 /organism="Homo sapiens"
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 /db_xref="taxon:9606"
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 /product="suppressor of cytokine signalling-1 SOCS-1"
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 /evidence="not_experimental"
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 BASE COUNT 120 a 347 c 280 g 161 t
 ORIGIN
 alignment_scores:
 Quality: 1053.50 Length: 212
 Ratio: 5.041 Gaps: 1
 Percent Similarity: 98.585 Percent Identity: 95.283
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 US-08-962-560A-4 x AF132440 ..
 Align seg 1/1 to: AF132440 from: 1 to: 908
 1 MetvalalaArgAsnGlnValAlaAlaAspAsnAlaIleSerProAlaAl 17
 14 ATGGTAGCAGCAACCAACAGGTGCGGCCACATGCACTTCACAGCAGC 63

184 alalaAlaValGlyArgGluasnLeuAlaArgIleProLeuAspApproval 200
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 601 TGGCACCGGCGCCGAGAACCTGGCTGCATCCCCCTCAACCCGTC 650

201 Leu|gAspTyrlLeu|SerSerPhePro|PheGln|Ile 212
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 651 CTCCGCGACTTACCTGAGCTCCTCCCTCCAGATT 686

seq_name: gb_pr2:HSU88326

seq_documentation_block:

LOCUS HSU88326 mRNA PRI 06-JUL-1997
 DEFINITION Human suppressor of cytokine signalling-1 (SOCS-1) mRNA, complete
 CDS

ACCESSION U88326
 VERSION U88326.1 GI:2245383
 KEYWORDS human.
 SOURCE
 ORGANISM Homo sapiens

REFERENCE Jenkins, B.J., Gonda, T.J., Alexander, W.S., Metcalf, D., Nicola, N.A., and Hilton, D.J.
 TITLE Nature 387 (6636), 917-921 (1997)
 JOURNAL
 MEDLINE 9734563
 REFERENCE 2 (bases 1 to 1094)
 AUTHORS Starr, R., Willson, T.A., Viney, E.M., Murray, L.J.L., Rayner, J.R., Jenkins, B.J., Gonda, T.J., Alexander, W.S., Metcalf, D., Nicola, N.A.
 TITLE Direct Submission
 JOURNAL Submitted (04 FEB 1997) Cancer Research Unit, The Walter and Eliza Hall Institute of Medical Research, PO Royal Melbourne Hospital, VIC 3050, Australia
 FEATURES Location/Qualifiers
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 /organism="Homo sapiens"
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 cds 24..659
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LOCUS AB000734 mRNA PRI 18-NOV-1997
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 ACCESSION AB000734
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 KEYWORDS tip3; TIP3.
 SOURCE Homo sapiens blood B-lymphocytes cDNA to mRNA.
 ORGANISM Homo sapiens
 PRIMATES; Catarrhini; Hominidae; Homo.
 REFERENCE Mano,H.
 AUTHORS
 TITLE Direct Submission
 JOURNAL Submitted (27-JAN-1997) to the DDBJ/EMBL/GenBank databases.
 Hirokuki Mano, Jichi Medical School, Department of Molecular Biology, 3311-1 Yakushiji, Minamikawachi-Machi, Kawachi-gun, Tochigi 329-04, Japan (E-mail:hmano@jichi.ac.jp,
 Tel:0285-44-2111(ex.3482), Fax:0285-44-8675)
 2 (sites)
 REFERENCE Ohya, K., Kajigaya, S., Yamashita, Y., Miyazato, A., Hatake, K., Miura, Y., Ikeda, U., Shimada, K., Ozawa, K. and Mano, H.
 TITLE SOCS-1/JAB-SSI-1 can bind to and suppress Tec protein-tyrosine kinase
 JOURNAL J. Biol. Chem. 272 (43), 27178-27182 (1997)

74 AGAGCCCGAGGGGCCAGAACCT...TCTCTCTCTCTCCCTCCCTGC 120
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 Genes without peptide homology having spliced EST hits are termed
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 genomic sequence, complete sequence.
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 VERSION AC002286.1 GT:2160310
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 SOURCE
 ORGANISM Homo sapiens
 Eukarya; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 12889)
 AUTHORS Kramer, J.A., Adams, M.D., Singh, G.B., Doggett, N.A. and Krawetz, S.A.
 TITLE Extended analysis of the region encompassing the PRM1->PRM2->TPN2
 domain: genomic organization, evolution and gene identification
 J. Exp. Zool. 282 (1-2), 246-253 (1998)
 MEDLINE 9890623
 REFERENCE 2 (bases 1 to 12889)
 AUTHORS Loftus, B.J., Kim, J.-J., Sneddon, V.P., Kalush, F., Brandon, R.,
 Fuhrmann, J., Mason, T., Crosby, M.L., Barnstead, M., Cronin, D.,
 Deslattes, Mays, Y., Cao, Y., Xu, R.X., Kang, H.L., Mitchell, S.,
 Eichler, E.E., Harris, P.C., Venter, J.C. and Adams, M.D.
 TITLE Genome duplications and other features in 12 Mb of DNA sequence
 from human chromosome 16p and 16q
 JOURNAL Genomics 60 (3), 295-308 (1999)
 MEDLINE 9945270
 REFERENCE 3 (bases 1 to 12889)
 AUTHORS Adams, M.D.
 TITLE Direct Submission
 JOURNAL Submitted (04-JUN-1997) The Institute for Genomic Research, 9712
 Medical Center Dr., Rockville, MD 20850, USA
 REFERENCE 4 (bases 1 to 12889)
 AUTHORS Adams, M.D., Loftus, B.J., Zhou, L., La Bombard, M., Kim, U.J.,
 Venter, J.C., Kramer, J.A. and Doggett, N.A.
 TITLE Direct Submission
 JOURNAL Submitted (28-AUG-1997) The Institute for Genomic Research, 9712
 Medical Center Dr., Rockville, MD 20850, USA
 ADDRESS all correspondence to:
 Mark Adams
 The Institute for Genomic Research
 9712 Medical Center Dr.,
 Rockville, MD 20850,
 USA e-mail address: mda@tigr.org. The cosmid location is on
 chromosome 16p13.13. The orientation of the sequence is from Sp6
 end to T7 end. Genes were identified by a combination of five
 methods including: XGRAIL (available by anonymous ftp from
 arthur.genom.ornl.gov), Genefinder (Phil Green, University of
 Washington), Genscan (Chris Burge,
 http://genomic.stanford.edu/~chris/GENSCAN.html) searches of the
 complete sequence against a peptide database, and the EST database
 at TIGR (http://www.tigr.org/tdb/at/st.html). A gene with homology
 to another protein is annotated as the isoform of that protein.
 Genes without peptide homology having spliced EST hits are termed

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrate; Mammalia;
Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 25417)
ADAMS, M.D., LOFTUS, B.J., ZHOU, L., PHILLIPS, C., BRANDON, R.C., FUHRMANN, J., KIM, U.J., KERLAVAGE, A.R. and VENTER, J.C.
TITLE Unpublished
JOURNAL Human chromosome 16p13 BAC clone CIT987SK-Protamine16

REFERENCE 2 (bases 1 to 25417)
ADAMS, M.D. and LOFTUS, B.J.
TITLE Direct Submission
JOURNAL Submitted (29-APR-1997) The Institute for Genomic Research, 9712 Medical Center Dr., Rockville, MD 20850, USA
COMMENT * NOTE: This is a 'working draft' sequence. It currently consists of 2 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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Ratio: 5.041 Gaps: 21
Percent Similarity: 98.585 Percent Identity: 95.283
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrate; Mammalia;
Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 175950)
AUTHORS BRUCE, D., MUNDT, M., DOGGETT, N., MUNK, C., SAUNDERS, E., ROBINSON, D., JONES, M., BUCKINGHAM, J., CHASTEEEN, L., THOMPSON, S., GOODIN, L., BRYANT, J., LESMER, J., MEINKE, L., LONGMIRE, J., WHITE, S., TATUM, O., CAMPBELL, I.C., FAWCETT, J., MALTBY, M., BUSSOD, M., SUTHERLAND, R., HAN, C. and DEAVEN, L.
TITLE Sequencing of Human Chromosome 16p13.3
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 175950)
AUTHORS RICKE, D.O.
TITLE Large Scale Sequence Analysis and Annotation with the Sequence Comparison Analysis (SCAN) System
JOURNAL Unpublished
REFERENCE 3 (bases 1 to 175950)
AUTHORS BRUCE, D., MUNDT, M., DOGGETT, N., MUNK, C., SAUNDERS, E., ROBINSON, D., JONES, M., BUCKINGHAM, J., CHASTEEEN, L., THOMPSON, S., GOODIN, L., BRYANT, J., LESMER, J., MEINKE, L., LONGMIRE, J., WHITE, S., TATUM, O., CAMPBELL, I.C., FAWCETT, J., MALTBY, M., BUSSOD, M., SUTHERLAND, R., MCNURRY, K., HAN, C. and DEAVEN, L.
TITLE Direct Submission
JOURNAL Submitted (06-APR-1999) Center for Human Genome Studies, DOE Joint Genome Institute, Los Alamos National Laboratory, MS M888, Los Alamos, NM 87545, USA
COMMENT * NOTE: This is a 'working draft' sequence. It currently consists of 2 contigs. Gaps between the contigs are represented as runs of N. The order of the pieces is believed to be correct, however the sizes of the gaps between them are based on estimates that have been provided by the submitter.
* This sequence will be replaced by the finished sequence as soon as it is available and the accession number will be preserved.
* the accession number will be preserved
1 29280: contig of 29280 bp in length

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